

**Notice of Allowability**

Application No.

10/765,025

Applicant(s)

TOWNSHEND, BRENT

Examiner

Art Unit

Tesfaldet Bocure

2631

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☐ This communication is responsive to 2/27/06 & 6/29/04.
2. ☒ The allowed claim(s) is/are 1-10.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All   b) ☐ Some\*   c) ☐ None   of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

#### **In the Specification:**

Page 1, before the title, "BACKGROUND OF THE INVENTION" ----

#### **CROSS REFERENCE TO RELATED APPLICATIONS**

This application is a divisional of U.S. Patent Application Serial No. 10/100,430, filed on March 18, 2002, issued as US patent number 6,690,749, which is a continuation of U.S. Patent Application Serial No. 09/352,806, filed on July 13, 1999, issued as US patent number 6,400,770, which is a continuation of U.S. Patent Application Serial No. 09/152,549, filed on September 14, 1998, issued as U.S. patent number 5,970,103, which is a continuation of Patent Application Serial No. 08/709,357, filed September 6, 1996, issued as U.S. patent number 5,835,538, which is a continuation of U.S. Patent Application Serial No 08/352,651, now abandoned---has been added.

In the Abstract of the Disclosure:

Line 11, "A signal processor performing a decoder method is also provided. The signal processor receives an analog signal representing the sequence of codewords.

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The signal processor converts the analog signal into the sequence of codewords"--- has been deleted .

**In the Claims:**

Claims 11-20 have been deleted.

**Remarks:**

2. The above Examiner's Amendment was made to:

Add and update the status of the parent US Patent applications in the specification;

To delete the subject matter related to a decoder disclosed in the abstract of the disclosure; and

To cancel the unelected claims 11-20. See applicant's remarks to cancel the claim in the amendment of 2/27/06.

**Reasons for Allowance**

3. The following is an examiner's statement of reasons for allowance: The claimed subject matter in claims 1-10 is allowable because the arts of record fail to teach or fairly suggest the claimed "a high speed data transfer encoder (100 fig.3 and fig.4) that generates digital signals for transmission over digital telephone network (134) and an analog loop (140 and 152) to the subscriber comprising: signal processor memory (166 and 168) coupled to the signal processor (160) , the memory storing a set of instructions that are executed by the signal processor to convert a source data stream into a

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sequence of codewords **wherein each codeword in said sequence of codewords is associated with a codeword utilized by said digital telephone network.**"

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

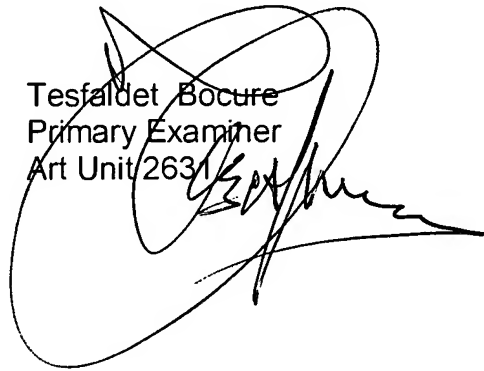
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tesfaldet Bocure whose telephone number is (571) 272-3015. The examiner can normally be reached on Mon-Thur (7:30a-5:00p) & Mon.-Fri (7:30a-5:00p).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad H. Ghayour can be reached on (571) 272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tesfaldet Bocure  
Primary Examiner  
Art Unit 2631

A large, stylized handwritten signature in black ink, overlapping the printed name and title of the examiner.

T.Bocure